
UNITED STATES PATENT AND TRADEMARK OFFICE

Title: A System To Produce Sugar From Plant Material
Inventor: David O. Sanders
Application Number:
Filing Date: October 15, 2004
Group Art Unit:
Examiner Name:
Attorney Docket Number: SandersUSNPSugar

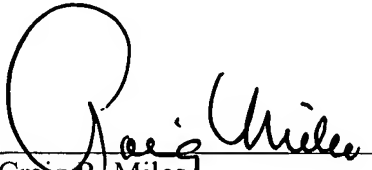
CERTIFICATE OF EXPRESS MAILING

I, Craig R. Miles, hereby certify to the truth of the following items:

1. I am an employee of CR MILES, P.C., 204 Walnut Street, Suite J, Fort Collins, CO 80524.
2. I have this day deposited the attached Power of Attorney - Inventor (1 page) with the United States Postal Service as "Express Mail" for mailing to:

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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dated this 15 day of October, 2004.



Craig R. Miles

10/511516
DTG Rec'd PCT/PTO 15 OCT 2004

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2. I have this day deposited the attached specification entitled "A System To Produce Sugar From Plant Material" (~~6~~9 pages) with the United States Postal Service as "Express Mail" for mailing to:

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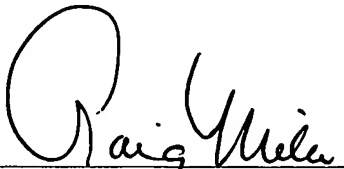
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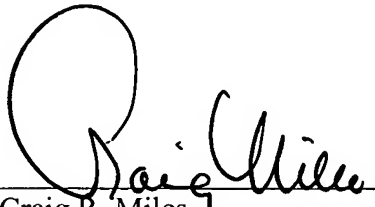
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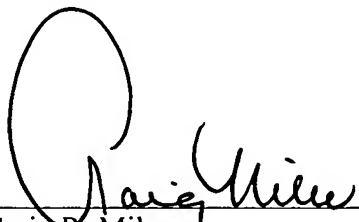
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1. I am an employee of CR MILES, P.C., 204 Walnut Street, Suite J, Fort Collins, CO 80524.
2. I have this day deposited the attached Assignment of David O. Sanders to CO2 Solutions, LLC (4 pages) along with a Recordation Cover Sheet (1 page) with the United States Postal Service as "Express Mail" for mailing to:

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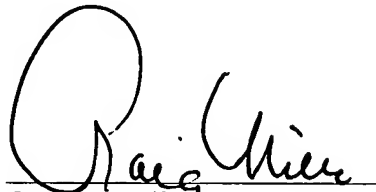
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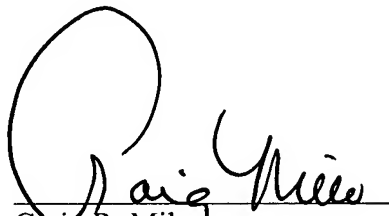
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I, Craig R. Miles, hereby certify to the truth of the following items:

1. I am an employee of CR MILES, P.C., 204 Walnut Street, Suite J, Fort Collins, CO 80524.
2. I have this day deposited the attached Declaration For Patent Application (3 pages) with the United States Postal Service as "Express Mail" for mailing to:

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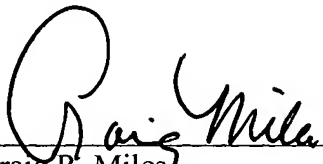
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I, Craig R. Miles, hereby certify to the truth of the following items:

1. I am an employee of CR MILES, P.C., 204 Walnut Street, Suite J, Fort Collins, CO 80524.
2. I have this day deposited the attached drawing sheets (11 sheets) with the United States Postal Service as "Express Mail" for mailing to:

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Inventor: David O. Sanders
Application Number:
Filing Date: October 15, 2004
Group Art Unit:
Examiner Name:
Attorney Docket Number: SandersUSNPSugar

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I, Craig R. Miles, hereby certify to the truth of the following items:

1. I am an employee of CR MILES, P.C., 204 Walnut Street, Suite J, Fort Collins, CO 80524.
2. I have this day deposited the attached Preliminary Amendment (4 pages) with the United States Postal Service as "Express Mail" for mailing to:

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Alexandria, VA 22313-1450

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Craig R. Miles

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Examiner Name:
Attorney Docket Number: SandersUSNPSugar


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I, Craig R. Miles, hereby certify to the truth of the following items:

1. I am an employee of CR MILES, P.C., 204 Walnut Street, Suite J, Fort Collins, CO 80524.
2. I have this day deposited the attached copy of the Information Disclosure Citation (7 pages) along with copies of references with the United States Postal Service as "Express Mail" for mailing to:

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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dated this 15 day of October, 2004.


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Group Art Unit:
Examiner Name:
Attorney Docket Number: SandersUSNPSugar

LETTER OF TRANSMITTAL

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Please find enclosed for filing, the United States National Stage of International Patent Application No. PCT/US03/00331 entitled "A System To Produce Sugar From Plant Material", including the following documents:

1. a Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) concerning filing under 35 U.S.C. §371 and Fee Calculation Sheet (Form PTO-1390, rev 10-2003) (2 pages) along with a check in the amount of \$3528.00 payable to the Commissioner for Patents;
2. an Application Data Sheet (3 pages);
3. a Power of Attorney-Inventor of David O. Sanders (1 page);
4. a Declaration For Patent Application of David O. Sanders (3 pages);
5. an Assignment of Patent Rights of David O. Sanders to CO2 Solutions, LLC (4 pages) along with a Recordation Cover Sheet (1 page);
6. a Power of Attorney of the assignee CO2 Solutions, LLC (1 page);

7. a Preliminary Amendment (4 pages);
8. a copy of the specification as originally filed in the PCT (69 pages) without the addition of any new matter;
9. a copy of the drawings as originally filed in the PCT (11 sheets) without the addition of any new matter;
10. an Information Disclosure Citation (1 page) with copies of cited references not already submitted in the parent application;
11. a copy of the International Preliminary Examination Report (4 pages);
12. this firm Letter of Transmittal (3 pages);
13. Express Mail Certificates for each document; and
14. a Postcard Receipt for return to the undersigned.

Please note:

This application is the United States National Stage of International Patent Cooperation Treaty Patent Application No. PCT/US03/00331, filed January 6, 2003, which is a continuation of United States Patent Application 10/123,120 filed April 15, 2002 now issued as United States Patent No. 6,656,287 on December 2, 2003, and claims the benefit of United States Provisional Patent Application No. 60/403,594, filed August 13, 2002.

All right title and interest in this United States application and in PCT/US03/00331, filed January 6, 2003, and in United States Patent Application 10/123,120, filed April 15, 2002, now issued as United States Patent No. 6,656,287, on December 2, 2003, and in United States Provisional Patent Application No. 60/403,594, filed August 13, 2002, is owned in the entirety by CO2 Solutions, LLC.

I have this 15th day of October, 2004, either myself personally, or through my direction of staff at this office, deposited all of the items listed in this Letter of Transmittal with the United States Postal Service as Express Mail, postage prepaid, in an envelope addressed to:

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Please process the enclosed United States National Stage patent application and return the enclosed postcard receipt.

10/511516
DT04 Rec'd PCT/PTO 15 OCT 2004

Direct all correspondence to:

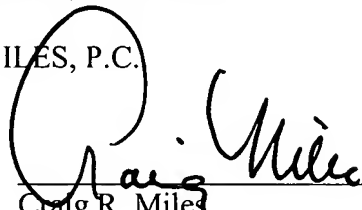
CR MILES, P.C.
204 Walnut Street, Suite J
Fort Collins, CO 80524

Dated this 15 day of October, 2004.

Respectfully Submitted,

CR MILES, P.C.

By:



Craig R. Miles
ATTORNEY FOR APPLICANTS
PTO No. 45,954
204 Walnut Street, Suite J
Fort Collins, CO 80524
(970) 492-0000 telephone
(970) 492-0003 facsimile

FORM PTO-1390 2003)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY'S DOCKET NUMBER SandersUSNPSugar
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371			U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/511516
INTERNATIONAL APPLICATION NO. PCT/US03/00331	INTERNATIONAL FILING DATE January 6, 2003	PRIORITY DATE CLAIMED April 15, 2002	
TITLE OF INVENTION A System To Produce Sugar From Plant Material			
APPLICANT(S) FOR DO/EO/US: David O. Sanders			
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:			
<ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 145(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)). <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). 			
Items 11 to 20 below concern document(s) or information included:			
<ol style="list-style-type: none"> 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input checked="" type="checkbox"/> A power of attorney of David O. Sanders. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input type="checkbox"/> Other items or information: a power of attorney of CO2 Solutions, LLC; a copy of the International Preliminary Examination Report; a firm Letter of Transmittal; a Fee Calculation Sheet and a check in the amount of \$<u>3528</u>.00; Express Mail Certificates for document; and a Postcard Receipt. 			

U.S. APPLICATION NO. (if known, see 37 CFR 1.5): <div style="font-size: 1.5em; font-weight: bold;">10/511516</div>		INTERNATIONAL APPLICATION NO.: PCT/US03/00331		ATTORNEY'S DOCKET NUMBER: SandersUSNPSugar	
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21. <input checked="" type="checkbox"/> The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(5)): Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO.....\$1080.00 Neither international preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO.....\$920.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO\$770.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$730.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00	CALCULATIONS PTO USE ONLY																										
ENTER APPROPRIATE BASIC FEE AMOUNT =	\$100.00																										
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest priority date (37 CFR 1.492(e)).	\$0.00																										
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 20%;">CLAIMS</th> <th style="width: 20%;">NUMBER FILED</th> <th style="width: 20%;">NUMBER EXTRA</th> <th style="width: 20%;">RATE</th> <th style="width: 20%;">\$</th> </tr> <tr> <td>Total claims</td> <td>173- 20 =</td> <td>153</td> <td>x \$18.00</td> <td>\$2754.00</td> </tr> <tr> <td>Independent claims</td> <td>7 - 3 =</td> <td>4</td> <td>x \$86.00</td> <td>\$344.00</td> </tr> <tr> <td colspan="3">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td>+ \$290.00</td> <td>\$290.00</td> </tr> <tr> <td colspan="4" style="text-align: right;">TOTAL OF ABOVE CALCULATIONS =</td> <td>\$3488.00</td> </tr> </table>	CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	Total claims	173- 20 =	153	x \$18.00	\$2754.00	Independent claims	7 - 3 =	4	x \$86.00	\$344.00	MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$290.00	\$290.00	TOTAL OF ABOVE CALCULATIONS =				\$3488.00		
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$																							
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TOTAL OF ABOVE CALCULATIONS =				\$3488.00																							
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.																											
SUBTOTAL =	\$3488.00																										
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).	\$																										
TOTAL NATIONAL FEE =	\$																										
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +	\$40.00																										
TOTAL FEES ENCLOSED =	\$3528.00																										
	Amount to be refunded:	\$																									
	Charged:	\$																									

a. ☒ A check in the amount of \$3528.00 to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. in the amount of \$ to cover the above fees.
A duplicate copy of this sheet is enclosed.

c. ☐ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. . A duplicate copy of this sheet is enclosed.

d. ☐ Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO: SIGNATURE: *Craig Miles 10-15-04*

NAME: Craig Miles

REGISTRATION NUMBER: 45,954

10/511516

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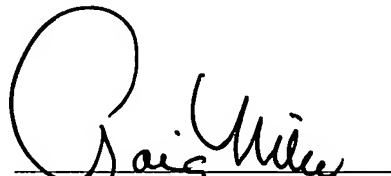
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